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FILE 'MEDLINE, AGRICOLA, CANCERLIT, SCISEARCH, CAPLUS, BIOSIS, MEDICONF'
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L1 5935 S INTER?-13
L2 419476 S L1 AND CAN? OR FEL?
L3 1376 S L1 AND (CAN? OR FEL?)
L4 23 S L3 AND CANINE
L5 12 DUP REM L4 (11 DUPLICATES REMOVED)
L6 12 SORT L5 PY

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L6 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2001 ACS

TI **Canine** and **feline** immunoregulatory proteins, nucleic
acid molecules, and uses thereof

SO PCT Int. Appl., 264 pp.

CODEN: PIXXD2

IN Sim, Gek-Kee; Yang, Shumin; Dreitz, Matthew J.; Wonderling, Ramani S.

AB The present invention relates to **canine** interleukin-4,
canine or **feline** Flt-3 ligand, **canine** or
feline CD40, **canine** or **feline** CD154,
canine interleukin-5, **canine** interleukin-
13, **feline** interferon .alpha., and/or **feline**
granulocyte-macrophage colony-stimulating factor (GM-CSF) proteins and
their encoding nucleic acids. Antibodies raised against such proteins,
and inhibitory compds. that regulate such proteins are also provided. The
present invention also includes methods to identify and obtain such
proteins, nucleic acid mols., antibodies, and inhibitory compds. Also
included in the present invention are therapeutic compns. comprising such
proteins, nucleic acid mols., antibodies and/or inhibitory compds. as well
as the use of such therapeutic compns. to regulate an immune response in
an animal.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9961618	A2	19991202	WO 1999-US11942	19990528
WO 9961618	A3	20000406		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
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CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9941020 A1 19991213 AU 1999-41020 19990528

EP 1082432 A2 20010314 EP 1999-924542 19990528

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

L6 ANSWER 8 OF 12 MEDLINE

TI **Canine** interleukin-13: molecular cloning of
full-length cDNA and expression of biologically active recombinant
protein.

SO JOURNAL OF INTERFERON AND CYTOKINE RESEARCH, (2000 Sep) 20 (9) 779-85.
Journal code: CD4; 9507088. ISSN: 1079-9907.

AU Yang S; Borroughs K L; McDermott M J

AB **Interleukin-13** (IL-13) regulates immune responses
mediated by type 2 T helper lymphocytes (Th2) in the human and mouse. To
study the function of this cytokine in the dog, we have isolated a cDNA
that encodes the full-length **canine** IL-13 (CaIL-13) precursor
polypeptide of 131 amino acids. CaIL-13 shares significant homology with
the IL-13 amino acid sequences of cattle (54.1%), mouse (39.6%), and rat
(36.6%) but shares the highest identity with human IL-13 (HuIL-13)

(61.8%). The predicted CaIL-13 mature polypeptide of 117 residues was expressed in bacteria, and recombinant CaIL-13 (rCaIL-13) was isolated from inclusion bodies and refolded. rCaIL-13 stimulated the proliferation of TF-1 cells, which are derived from human erythroleukemia cells and respond to IL-13 as well as to a number of other human and murine cytokines. CaIL-13 mRNA was readily detectable by reverse transcriptase-polymerase chain reaction (RT-PCR) in cells from lymph nodes and peripheral blood. The gene sequence and biologically active recombinant protein for CaIL-13 will be useful reagents to determine the role of IL-13 in the regulation of **canine** immune responses.

- L6 ANSWER 12 OF 12 BIOSIS COPYRIGHT 2001 BIOSIS
TI Soluble **canine** IL-13 receptor alpha2-Fc fusion protein inhibits **canine** allergen-specific-IgE production stimulated by IL-13 in vitro.
SO Journal of Allergy and Clinical Immunology, (February, 2001) Vol. 107, No. 2, pp. S91. print.
Meeting Info.: 57th Annual Meeting of the American Academy of Allergy, Asthma and Immunology New Orleans, Louisiana, USA March 16-21, 2001
ISSN: 0091-6749.
AU Tang, Liang (1); Boroughs, Karen (1); Stedman, Kim E. (1); Sellins, Karen (1); Morales, Tony (1); McDermott, Martin (1); Yang, Shumin (1); McCall, Catherine A. (1)

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Term:

L10 and canine	▲
	▼

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USPT,JPAB,EPAB,DWPI	canine adj interleukin-4	0	<u>L6</u>
USPT,JPAB,EPAB,DWPI	canine adj2 interleukin-4	0	<u>L5</u>
USPT,JPAB,EPAB,DWPI	canine and interleukin-4	72	<u>L4</u>
USPT,JPAB,EPAB,DWPI	l2 and interleukin-4	130	<u>L3</u>
USPT,JPAB,EPAB,DWPI	l1 and (canine or feline)	887	<u>L2</u>
DWPI,USPT,EPAB,JPAB	interleu\$10-\$2	10423	<u>L1</u>